Annex 2.4   WCDMA 1900MHz

Date/Time: 4/8/2011 9:51:46, Date/Time: 4/8/2011 9:57:54
E368 WCDMA1900 9400CH Front side 5mm
DUT: E368; Type: HSPA+ 2D USB Stick; Serial: E3T2A11120900427
Communication System: HW -UMTS-FDD; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; εr = 53.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  . Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
  . Sensor-Surface: 4mm (Mechanical Surface Detection)
  . Electronics: DAE4 Sn852; Calibrated: 12/24/2010
  . Phantom: SAM1; Type: SAM; Serial: TP-1475
  . Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
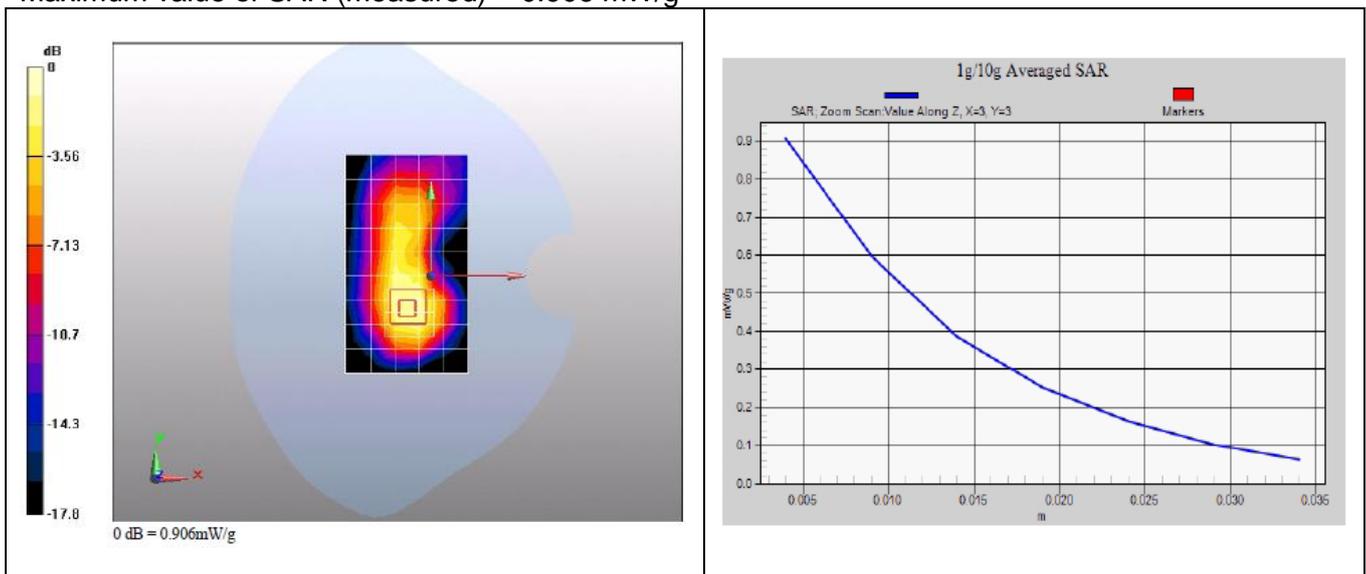Maximum value of SAR (measured) = 0.718 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.3 V/m; Power Drift = 0.150 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.820 mW/g; SAR(10 g) = 0.490 mW/g
Maximum value of SAR (measured) = 0.906 mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 5 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

Date/Time: 4/8/2011 9:00:53, Date/Time: 4/8/2011 9:07:02, Date/Time: 4/8/2011 9:20:08
E368 WCDMA1900 9400CH Back side 5mm
DUT: E368; Type: HSPA+ 2D USB Stick; Serial: E3T2A11120900427
Communication System: HW -UMTS-FDD; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; εr = 53.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
    Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
    Sensor-Surface: 4mm (Mechanical Surface Detection)
    Electronics: DAE4 Sn852; Calibrated: 12/24/2010
    Phantom: SAM1; Type: SAM; Serial: TP-1475
    Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.730 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.448 mW/g
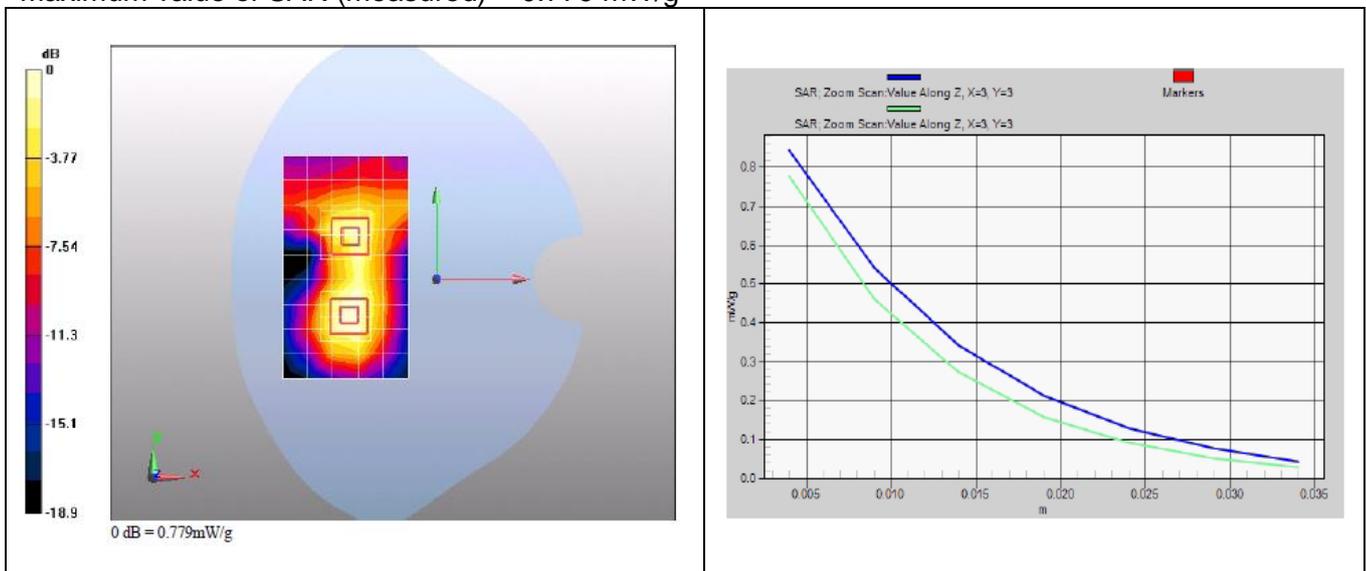Maximum value of SAR (measured) = 0.844 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4 V/m; Power Drift = 0.023 dB
Peak SAR (extrapolated) = 1.24 W/kg
SAR(1 g) = 0.711 mW/g; SAR(10 g) = 0.376 mW/g
Maximum value of SAR (measured) = 0.779 mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 5 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

Date/Time: 4/8/2011 14:17:30, Date/Time: 4/8/2011 14:23:38
E368 WCDMA1900 9400CH Left side 5mm
DUT: E368; Type: HSPA+ 2D USB Stick; Serial: E3T2A11120900427
Communication System: HW -UMTS-FDD; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; εr = 53.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  . Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
  . Sensor-Surface: 4mm (Mechanical Surface Detection)
  . Electronics: DAE4 Sn852; Calibrated: 12/24/2010
  . Phantom: SAM1; Type: SAM; Serial: TP-1475
  . Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
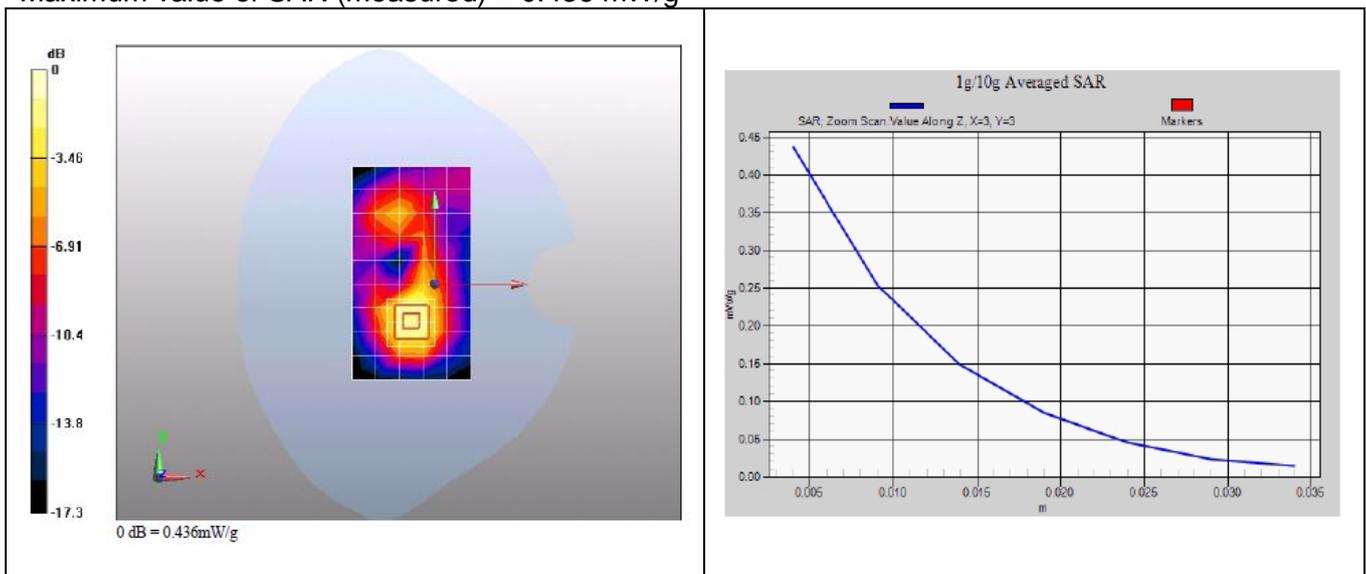Maximum value of SAR (measured) = 0.327 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.87 V/m; Power Drift = 0.157 dB
Peak SAR (extrapolated) = 0.683 W/kg
SAR(1 g) = 0.385 mW/g; SAR(10 g) = 0.201 mW/g
Maximum value of SAR (measured) = 0.436 mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 5 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

Date/Time: 4/8/2011 17:00:14, Date/Time: 4/8/2011 17:06:22
E368 WCDMA1900 9400CH Right side 5mm
DUT: E368; Type: HSPA+ 2D USB Stick; Serial: E3T2A11120900427
Communication System: HW -UMTS-FDD; Frequency: 1880 MHz
Medium parameters used: f = 1880 MHz; σ = 1.53 mho/m; εr = 53.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
  . Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
  . Sensor-Surface: 4mm (Mechanical Surface Detection)
  . Electronics: DAE4 Sn852; Calibrated: 12/24/2010
  . Phantom: SAM1; Type: SAM; Serial: TP-1475
  . Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
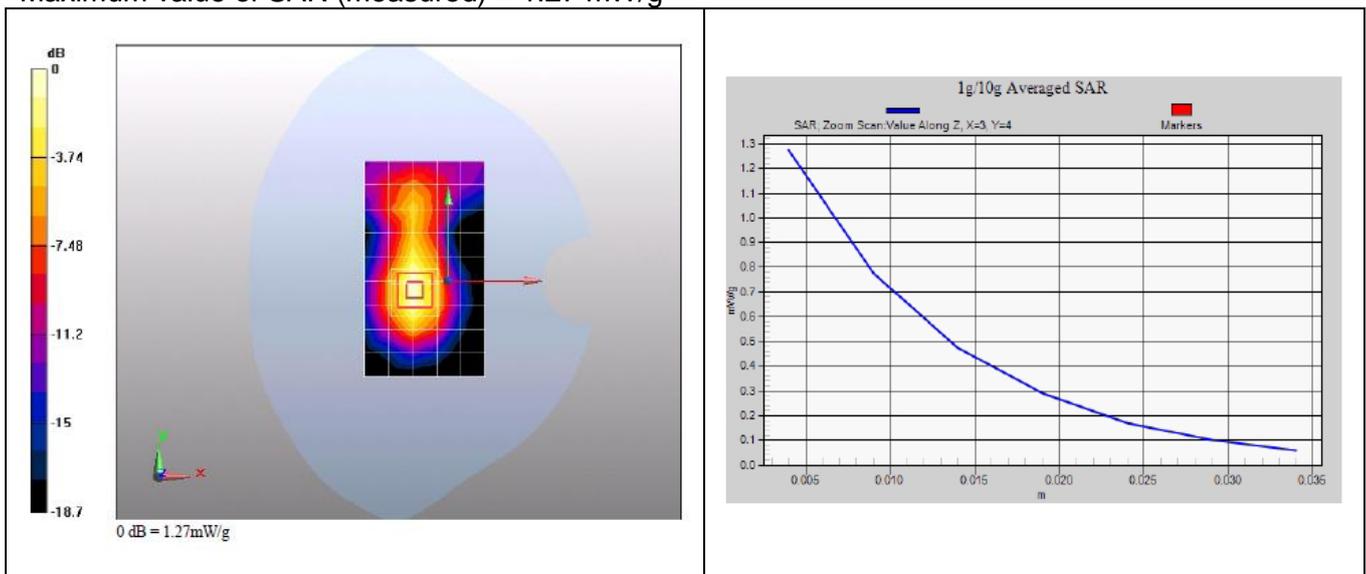Maximum value of SAR (measured) = 1.21 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.6 V/m; Power Drift = 0.090 dB
Peak SAR (extrapolated) = 1.9 W/kg
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.619 mW/g
Maximum value of SAR (measured) = 1.27 mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 5 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

Date/Time: 4/8/2011 10:56:03, Date/Time: 4/8/2011 11:02:10, Date/Time: 4/8/2011 11:15:17
E368 WCDMA1900 9538CH Front side 5mm
DUT: E368; Type: HSPA+ 2D USB Stick; Serial: E3T2A11120900427
Communication System: HW -UMTS-FDD; Frequency: 1907.6 MHz
Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; εr = 53.2; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
    Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
    Sensor-Surface: 4mm (Mechanical Surface Detection)
    Electronics: DAE4 Sn852; Calibrated: 12/24/2010
    Phantom: SAM1; Type: SAM; Serial: TP-1475
    Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.571 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.6 V/m; Power Drift = -0.140 dB
Peak SAR (extrapolated) = 0.930 W/kg
SAR(1 g) = 0.563 mW/g; SAR(10 g) = 0.319 mW/g
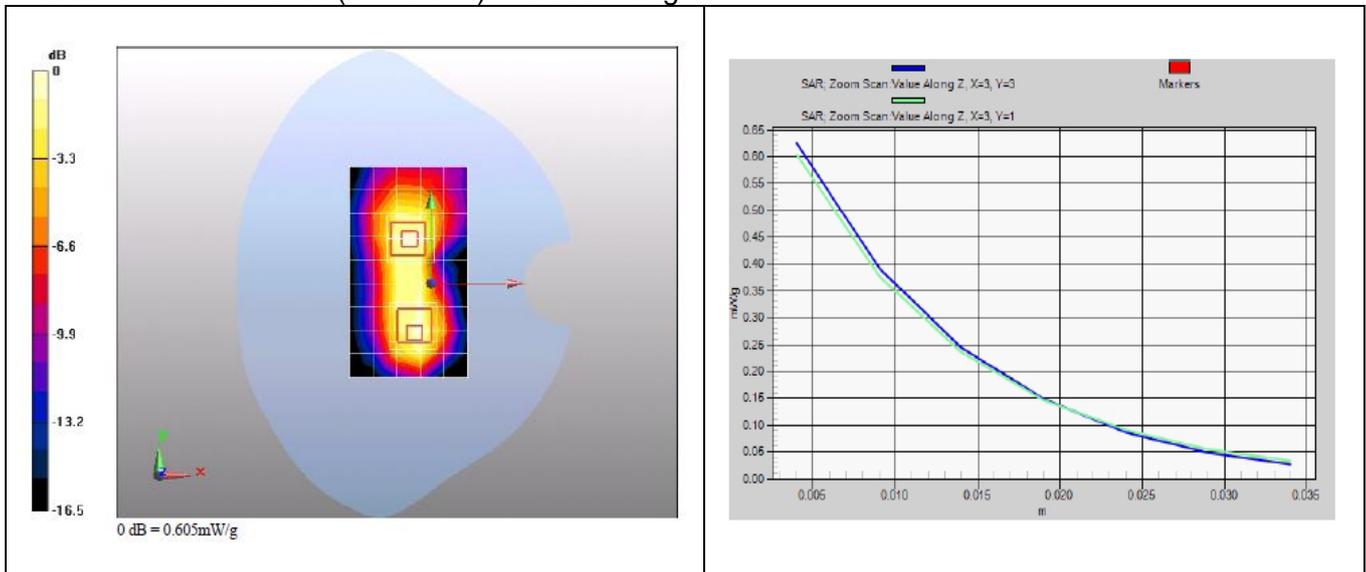Maximum value of SAR (measured) = 0.625 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.6 V/m; Power Drift = -0.140 dB
Peak SAR (extrapolated) = 0.859 W/kg
SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.325 mW/g
Maximum value of SAR (measured) = 0.605 mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 5 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

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Date/Time: 4/8/2011 11:31:02, Date/Time: 4/8/2011 11:37:09, Date/Time: 4/8/2011 11:50:17
E368 WCDMA1900 9262CH Front side 5mm
DUT: E368; Type: HSPA+ 2D USB Stick; Serial: E3T2A11120900427
Communication System: HW -UMTS-FDD; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.51 mho/m; εr = 53.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
    Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
    Sensor-Surface: 4mm (Mechanical Surface Detection)
    Electronics: DAE4 Sn852; Calibrated: 12/24/2010
    Phantom: SAM1; Type: SAM; Serial: TP-1475
    Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.734 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.9 V/m; Power Drift = -0.177 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.442 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.783 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
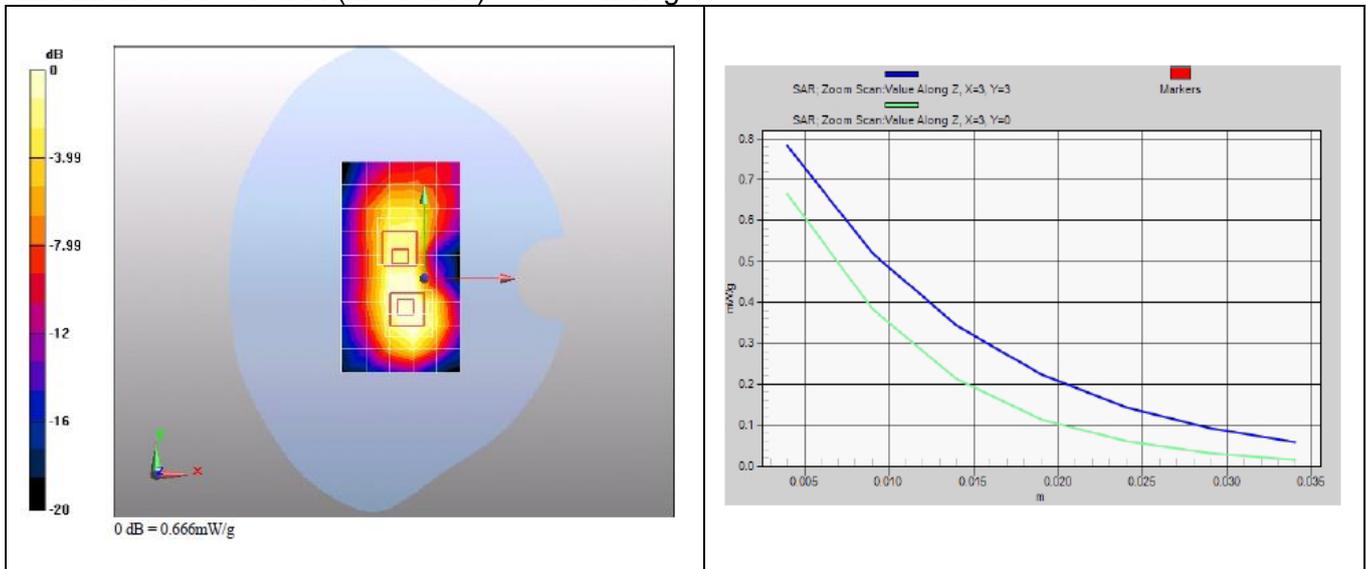Reference Value = 21.9 V/m; Power Drift = -0.177 dB
Peak SAR (extrapolated) = 1.07 W/kg
SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.303 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.666 mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 5 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

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Date/Time: 4/8/2011 17:21:18, Date/Time: 4/8/2011 17:27:26
E368 WCDMA1900 9538CH Right side 5mm
DUT: E368; Type: HSPA+ 2D USB Stick; Serial: E3T2A11120900427
Communication System: HW -UMTS-FDD; Frequency: 1907.6 MHz
Medium parameters used: f = 1908 MHz; σ = 1.56 mho/m; εr = 53.2; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
    Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
    Sensor-Surface: 4mm (Mechanical Surface Detection)
    Electronics: DAE4 Sn852; Calibrated: 12/24/2010
    Phantom: SAM1; Type: SAM; Serial: TP-1475
    Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
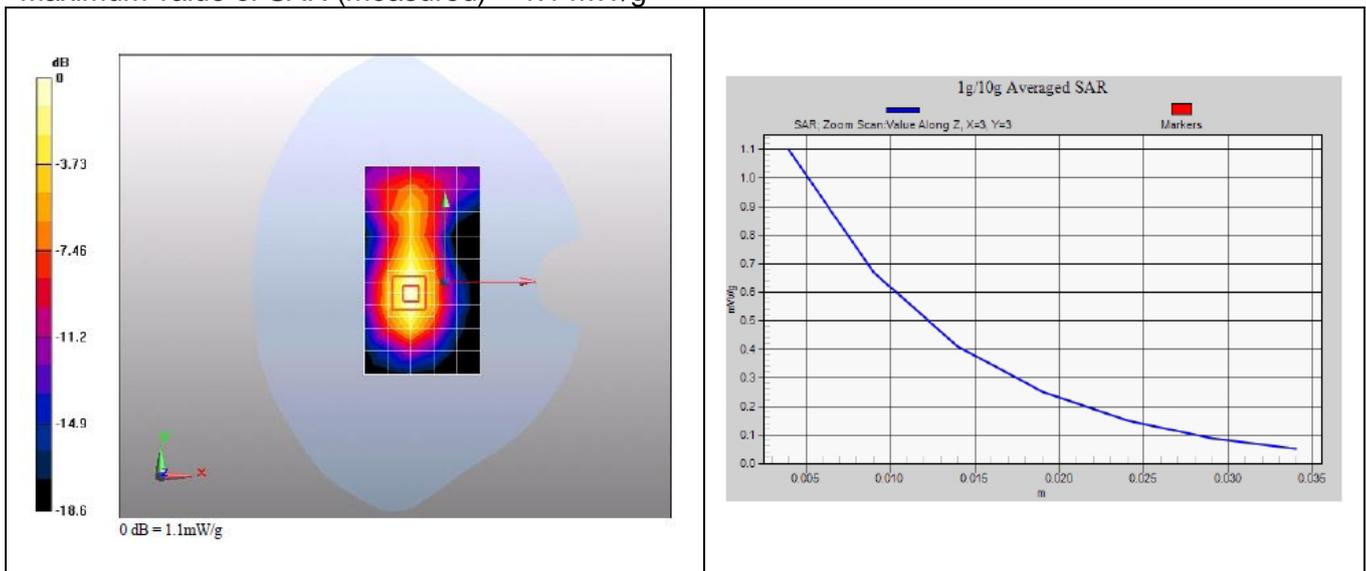Maximum value of SAR (measured) = 1.03 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.3 V/m; Power Drift = -0.186 dB
Peak SAR (extrapolated) = 1.64 W/kg
SAR(1 g) = 0.979 mW/g; SAR(10 g) = 0.535 mW/g
Maximum value of SAR (measured) = 1.1 mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 5 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

Date/Time: 4/8/2011 17:42:54, Date/Time: 4/8/2011 17:49:01
E368 WCDMA1900 9262CH Right side 5mm
DUT: E368; Type: HSPA+ 2D USB Stick; Serial: E3T2A11120900427
Communication System: HW -UMTS-FDD; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.51 mho/m; εr = 53.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
    Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
    Sensor-Surface: 4mm (Mechanical Surface Detection)
    Electronics: DAE4 Sn852; Calibrated: 12/24/2010
    Phantom: SAM1; Type: SAM; Serial: TP-1475
    Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.3 mW/g
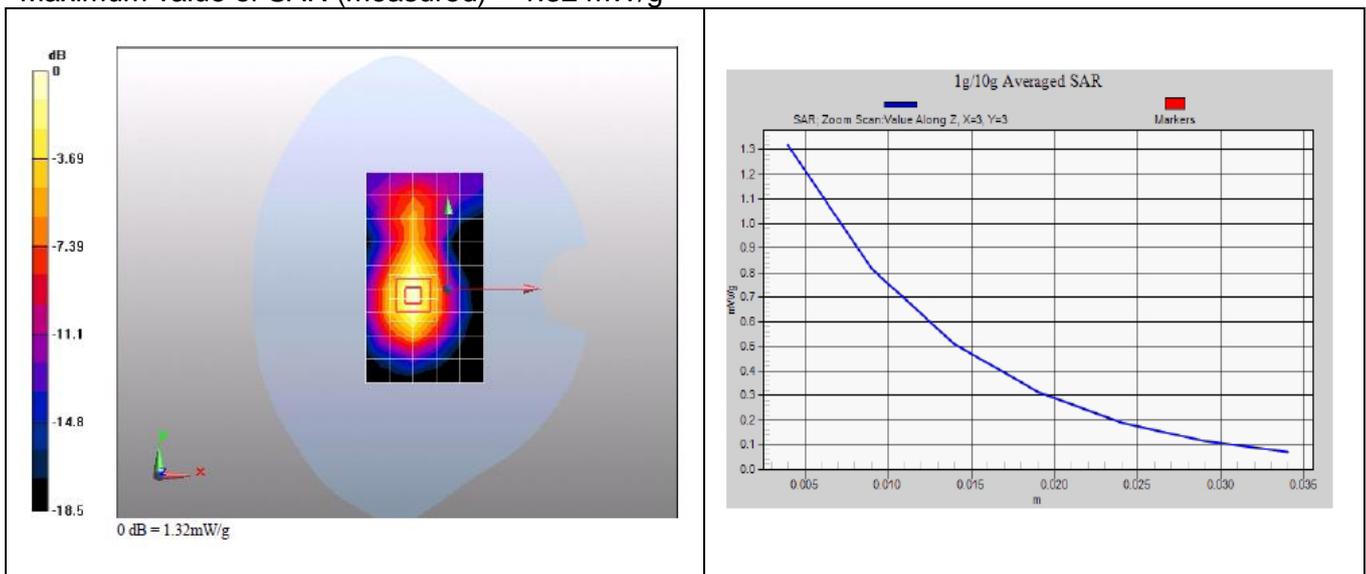**Configuration/Body/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 27.6 V/m; Power Drift = 0.069 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.645 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.32 mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 5 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

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Date/Time: 4/8/2011 18:06:16, Date/Time: 4/8/2011 18:12:24
E368 WCDMA1900 9262CH Right side 5mm with HSDPA
DUT: E368; Type: HSPA+ 2D USB Stick; Serial: E3T2A11120900427
Communication System: HW -UMTS-FDD; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.51 mho/m; εr = 53.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
    Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
    Sensor-Surface: 4mm (Mechanical Surface Detection)
    Electronics: DAE4 Sn852; Calibrated: 12/24/2010
    Phantom: SAM1; Type: SAM; Serial: TP-1475
    Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.28 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
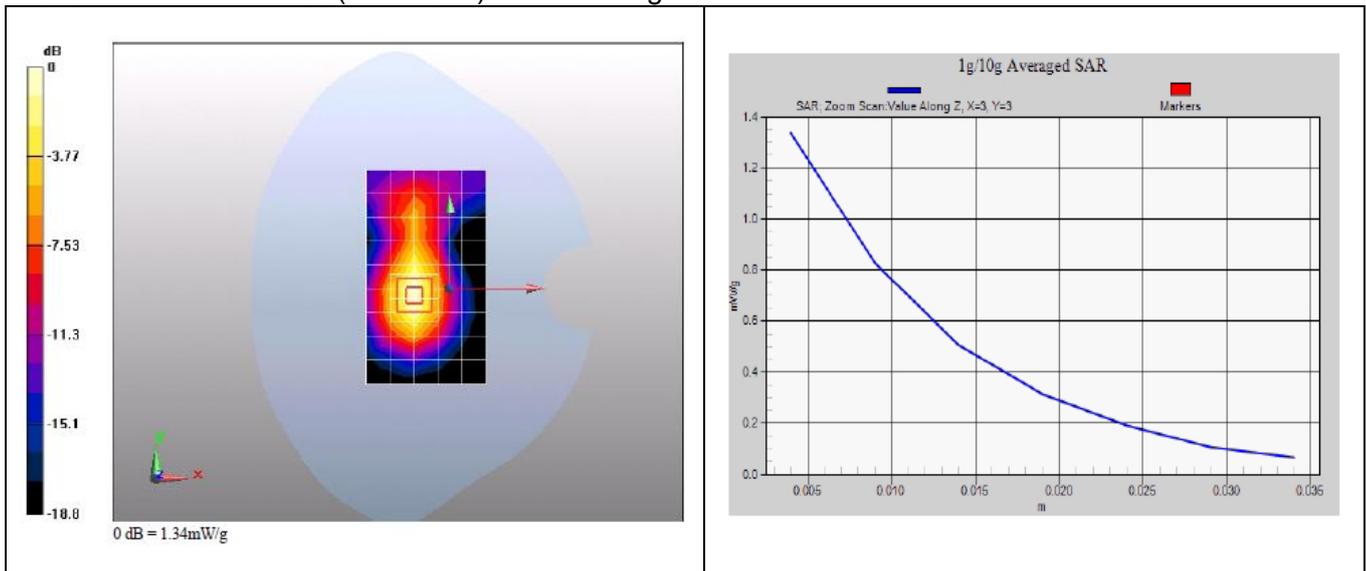Reference Value = 27.3 V/m; Power Drift = 0.101 dB
Peak SAR (extrapolated) = 1.98 W/kg
SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.635 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.34 mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 5 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

Date/Time: 4/8/2011 19:28:20, Date/Time: 4/8/2011 19:34:27
E368 WCDMA1900 9262CH Right side 5mm with HSUPA
DUT: E368; Type: HSPA+ 2D USB Stick; Serial: E3T2A11120900427
Communication System: HW -UMTS-FDD; Frequency: 1852.4 MHz
Medium parameters used (interpolated): f = 1852.4 MHz; σ = 1.51 mho/m; εr = 53.3; ρ = 1000 kg/m3
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration:
    Probe: ES3DV3 - SN3168; ConvF(4.61, 4.61, 4.61); Calibrated: 12/23/2010
    Sensor-Surface: 4mm (Mechanical Surface Detection)
    Electronics: DAE4 Sn852; Calibrated: 12/24/2010
    Phantom: SAM1; Type: SAM; Serial: TP-1475
    Measurement SW: DASY5, V5.2 Build 157; SEMCAD X Version 14.0 Build 57
Configuration/Body/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.981 mW/g
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
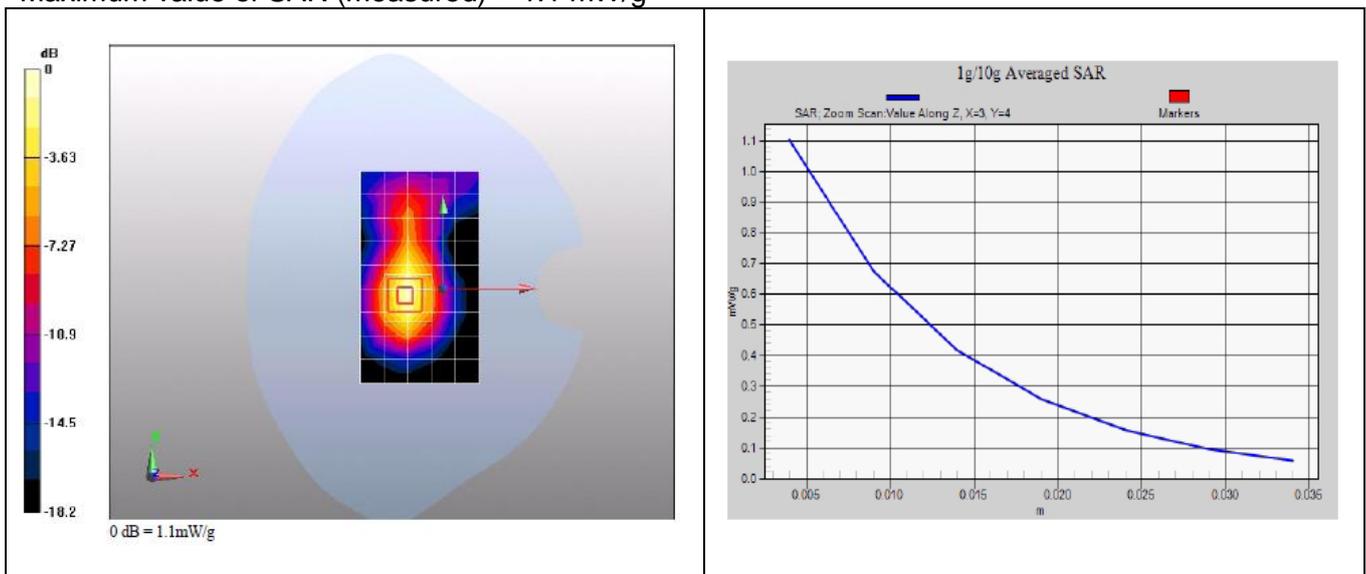Reference Value = 27.1 V/m; Power Drift = -0.104 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.550 mW/g
Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 1.1 mW/g

Additional information:
position or distance of DUT to SAM (if not standard head positions) : 5 mm
ambient temperature: 22.0°C; liquid temperature: 21.8°C

Annex 3   Photo documentation

Annex 3.1   Test Facility

Photo 1: Measurement System DASY5

Photo 2: Measurement System DASY5